

ABSTRACT

An apparatus for continuously providing dampening fluid to a plate cylinder of a lithographic printing press includes a frame operatively connected to the printing press. A dampening fluid reservoir is attached. 5 A pan roller is rotatably mounted in the frame and is disposed in contact with dampening fluid in the dampening fluid reservoir. A transfer roller set tangentially contacts and is parallel to the pan roller. The transfer 10 roller is rotated by friction from the pan roller which is driven at a rotation speed proportional to the speed of the plate cylinder. An ink receptive oscillating roller is tangentially contacting and parallel to the transfer roller. The oscillating roller is gear driven 15 at a rotational speed proportional to the speed of the plate cylinder. A water form roller is rotatably mounted in the frame tangentially contacting and in a parallel relation to both the plate cylinder and the ink receptive oscillating roller for carrying an even metered layer of 20 water from the oscillating roller to the plate cylinder.